

## Abstract

Providing a network communications system, which extensively supports a mobile terminal. A proxy CN being a router is arranged between a correspondent terminal (CN) and  
5 a home agent which directly corresponds to the correspondent terminal (CN). The CN accesses the proxy CN when receiving a service using the Mobile IP. The CN is authenticated by a link layer authenticating server which references a service profile DB, and makes a connection to a network.

10 Communication with a mobile terminal (MN) being a communication partner is made via the proxy CN. In addition, a packet transmission by tunneling is performed by the proxy CN.

15 BM: fib:290spec-final-us  
January 23, 2001